

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER AKIYAMA 1
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/579632
INTERNATIONAL APPLICATION NO. PCT/JP2004/017432	INTERNATIONAL FILING DATE November 12, 2004	PRIORITY CLAIMED November 18, 2003
TITLE OF INVENTION SULFONIC ACID GROUP-CONTAINING ORGANIC-SILICA COMPOSITE MEMBRANE AND METHOD FOR PRODUCING THEREOF		
APPLICANT(S) FOR DO/EO/US Eiichi AKIYAMA et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)) as soon as the application is in order for such purpose and the applicable requirements of 35 U.S.C. 371(c) have been complied with. 4. <input type="checkbox"/> The US has been elected (Art 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not transmitted by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 		
Items 11. to 16. below concern document(s) or information included: <ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An Assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A FIRST preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A change of power of attorney and/or address letter. 17. <input type="checkbox"/> A computer-readable sequence form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Courtesy copy of the International Application as filed. <input checked="" type="checkbox"/> Courtesy copy of the first page of the International Publication (WO 2005/049183 A1). <input checked="" type="checkbox"/> The application is (or will be) assigned to: EBARA CORPORATION whose address is 11-1, Haneda Asahi-cho, Ohta-ku, Tokyo 144-8510, Japan. 		

U.S. APPLICATION NO. (If known, see 37 CFR 1.55) 10/579632		International Application No. PCT/JP2004/017432		Attorney's Docket No. AKIYAMA 1	
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21. The following fees are submitted: <div style="margin-top: 10px;"> <input checked="" type="checkbox"/> a) BASIC NATIONAL FEE (37 CFR 1.492(a)).....\$300.00 <input checked="" type="checkbox"/> b) SEARCH FEE (37 CFR 1.492(b)) <div style="margin-left: 20px;"> <input type="checkbox"/> US was International Searching Authority.....\$100.00 <input checked="" type="checkbox"/> Other ISR provided to USPTO.....\$400.00 <input type="checkbox"/> All other situations.....\$500.00 </div> <input checked="" type="checkbox"/> c) EXAMINATION FEE (37 CFR 1.492 (c)) <div style="margin-left: 20px;"> <input type="checkbox"/> IPEA/US gave wholly favorable IPER.....\$100.00 <input checked="" type="checkbox"/> All other situations.....\$200.00 </div> </div> <div style="text-align: right; margin-top: 10px;"> TOTAL OF ABOVE CALCULATIONS : </div> <div style="margin-top: 5px;"> Surcharge of \$130.00 for furnishing the oath or declaration later than [] 20 [] 30 months from the earliest claimed priority date (37 CFR 1.492(h)). \$ </div> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td style="width:15%;">TOTAL SHEETS</td> <td style="width:15%;">EXTRA SHEETS</td> <td style="width:35%;">Number of each additional 50 or fraction thereof (round up to a whole number)</td> <td style="width:15%;">RATE (1.492(g))</td> </tr> <tr> <td>93 - 100</td> <td>/50</td> <td></td> <td>X \$250.00</td> </tr> </table> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td style="width:20%;">CLAIMS</td> <td style="width:20%;">Number Filed</td> <td style="width:20%;">Number Extra</td> <td style="width:20%;">Rate (1.492 (d-f))</td> </tr> <tr> <td>Total Claims</td> <td>- 20 =</td> <td></td> <td>X \$ 50.00</td> </tr> <tr> <td>Independent Claims</td> <td>- 3 =</td> <td></td> <td>X \$200.00</td> </tr> <tr> <td>Multiple Dependent Claims (if applicable)</td> <td></td> <td></td> <td>+ \$360.00</td> </tr> </table> <div style="margin-top: 5px;"> TOTAL OF ABOVE CALCULATIONS = \$900.00 Reduction of 1/2 for filing by small entity, if applicable. Applicant claims small entity status. See 37 CFR 1.27. \$ <div style="text-align: right; margin-top: 5px;"> SUBTOTAL = \$900.00 </div> Processing fee of \$130.00 for furnishing the English translation later than [] 20 [] 30 months from the earliest claimed priority date (37 CFR 1.492(i)). \$ <div style="text-align: right; margin-top: 5px;"> TOTAL NATIONAL FEE = \$900.00 </div> Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + <div style="text-align: right; margin-top: 5px;"> TOTAL FEES ENCLOSED = \$900.00 </div> </div> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td style="width:60%;"></td> <td style="width:20%; text-align: center;">Amount to be:</td> <td style="width:20%;"></td> </tr> <tr> <td></td> <td style="text-align: center;">refunded</td> <td style="text-align: center;">\$</td> </tr> <tr> <td></td> <td style="text-align: center;">charged</td> <td style="text-align: center;">\$</td> </tr> </table>				TOTAL SHEETS	EXTRA SHEETS	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE (1.492(g))	93 - 100	/50		X \$250.00	CLAIMS	Number Filed	Number Extra	Rate (1.492 (d-f))	Total Claims	- 20 =		X \$ 50.00	Independent Claims	- 3 =		X \$200.00	Multiple Dependent Claims (if applicable)			+ \$360.00		Amount to be:			refunded	\$		charged	\$	CALCULATIONS PTO USE ONLY <div style="border: 1px solid black; height: 100px; width: 100%;"></div>	
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Payment Method (check one only)

a. ☐ A check in the amount of \$_____ to cover the above fees is enclosed.

b. ☒ Credit Card Payment Form (PTO-2038), authorizing payment in the amount of \$900.00, is attached.

c. ☐ Please charge my Deposit Account No. **02-4035** in the amount of \$_____ to cover the above fees.
 A duplicate copy of this sheet is enclosed.

Handling of Fee Deficiencies (check one only)

☐ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. **02-4035**. A duplicate copy of this sheet is enclosed.

☒ If a deficiency exists in the basic national fee set by 37 CFR 1.492(a), please charge it to Deposit Account **02-4035**. At this time, no authorization is given to charge any other fees.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

Direct all correspondence to the address associated with
CUSTOMER NUMBER 001444, which is currently:

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 Date of this submission: **May 17, 2006**

SIGNATURE
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